

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	47900	protect\$3 same motor	US-PGPUB; USPAT	OR	ON	2006/05/08 12:49
S2	12918	S1 same control	US-PGPUB; USPAT	OR	ON	2006/01/05 14:41
S3	4255	S2 same switch\$3	US-PGPUB; USPAT	OR	ON	2006/01/05 14:41
S4	195	S3 same semiconductor	US-PGPUB; USPAT	OR	ON	2006/01/05 14:50
S5	10	S4 same (latch timer)	US-PGPUB; USPAT	OR	ON	2006/01/05 14:48
S6	11	S4 same (pwm)	US-PGPUB; USPAT	OR	ON	2006/01/05 14:49
S7	1839	S3 same driv\$3	US-PGPUB; USPAT	OR	ON	2006/01/05 14:50
S8	62	S7 same overcurrent	US-PGPUB; USPAT	OR	ON	2006/01/05 14:51
S9	9	S8 same timer	US-PGPUB; USPAT	OR	ON	2006/01/05 14:52
S10	2057	(361/23,31,78,93.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/06 09:24
S11	402	S10 and overcurrent	US-PGPUB; USPAT	OR	ON	2006/01/06 09:25
S12	207	S11 and motor	US-PGPUB; USPAT	OR	ON	2006/01/06 09:25
S13	145	S12 and (switching or semiconductor)	US-PGPUB; USPAT	OR	ON	2006/01/06 09:25
S14	119	S13 and (driving or drive)	US-PGPUB; USPAT	OR	ON	2006/01/06 09:26
S15	65	S14 and (pwd or pulse width modulation)	US-PGPUB; USPAT	OR	ON	2006/01/06 09:26
S16	15	S15 and (timer)	US-PGPUB; USPAT	OR	ON	2006/01/06 09:38
S17	23	S15 and (latch\$2)	US-PGPUB; USPAT	OR	ON	2006/01/06 09:28
S18	1	S15 and (latch\$2 with timer)	US-PGPUB; USPAT	OR	ON	2006/01/06 09:28
S19	2569	motor adj control adj (apparatus or device or sysytems)	US-PGPUB; USPAT	OR	ON	2006/01/06 09:39
S20	137	S19 same protect\$3	US-PGPUB; USPAT	OR	ON	2006/01/06 13:05

## EAST Search History

S21	5	S20 same (semiconductor adj switch\$3)	US-PGPUB; USPAT	OR	ON	2006/01/06 09:42
S22	36	S20 same (drive or driving)	US-PGPUB; USPAT	OR	ON	2006/01/06 11:09
S23	3413	motor same drive\$5 same time same cool\$7	US-PGPUB; USPAT	OR	ON	2006/01/06 11:09
S24	598	S23 same off	US-PGPUB; USPAT	OR	ON	2006/01/06 11:10
S25	27	S24 same protect\$5	US-PGPUB; USPAT	OR	ON	2006/01/06 11:10
S26	1	("6650072").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/06 13:05
S27	39	("3663876"   "3916272"   "3986100"   "4132930"   "4306181"   "4319175"   "4328454"   "4329630"   "4488101"   "4511829"   "4580090"   "4700116"   "4755728"   "4780656"   "4788485"   "4804892"   "4855652"   "4933828"   "4952853"   "5001413"   "5005100"   "5077824"   "5287044"   "5321342"   "5351336"   "5359278"   "5493187"   "5606232"   "5625264"   "5625424"   "5640073"   "5723968"   "5780986"   "5825972"   "5847530"   "5901268").PN. OR ("6650072").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 13:05
S28	48	("3463984"   "3582739"   "3700990"   "3716770"   "3755727"   "3761790"   "3836833"   "3906315"   "3914671"   "3974427"   "4136304"   "4429262"   "4476418"   "4491775"   "4534706"   "4546296"   "4546298"   "4642537"   "4695779"   "4703241"   "4756391"   "4907493"   "4933620"   "4969756"   "4973894"   "5023527"   "5070283"   "5089761"   "5191270"   "5193647"   "5254915"   "5291106"   "5319291"   "5329217"   "5339013"   "5349279"   "5424622"   "5444349"   "5543694"   "5550451"   "5625269"   "Re35124").PN. OR ("5847530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 13:09
S29	1871	motor same engine same cooling same fan	US-PGPUB; USPAT	OR	ON	2006/01/10 12:44

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S30	4	S29 same ((semicomductor adj switch) or FET)	US-PGPUB; USPAT	OR	ON	2006/01/10 12:53
S31	71	S29 same (protect\$3)	US-PGPUB; USPAT	OR	ON	2006/01/10 12:49
S32	4	S30 same (switch or fet or semiconductor)	US-PGPUB; USPAT	OR	ON	2006/01/10 13:10
S33	2	S30 same (driv\$3)	US-PGPUB; USPAT	OR	ON	2006/01/10 12:50
S34	2	S29 same overcurrent	US-PGPUB; USPAT	OR	ON	2006/01/10 12:53
S35	5	((("6891342") or ("6747432") or ("6603277") or ("6593717") or ("6512346"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 13:14
S36	1601	(361/23,24,31,30).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/18 12:13
S37	687	(361/23,24,30,31).CCLS.	EPO; JPO	OR	OFF	2006/01/18 12:22
S38	0	(361/23,24,30,31).CCLS.	DERWENT; IBM_TDB	OR	OFF	2006/01/18 12:22
S39	2110	(361/23,31,78,93.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/08 12:49
S40	416	S39 and overcurrent	US-PGPUB; USPAT	OR	ON	2006/05/08 12:49
S41	218	S40 and motor	US-PGPUB; USPAT	OR	ON	2006/05/08 12:49
S42	155	S41 and (switching or semiconductor)	US-PGPUB; USPAT	OR	ON	2006/05/08 12:52
S43	417	(361/31).CCLS.	USPAT	OR	OFF	2006/05/08 13:05
S44	103	(361/31,30,23,24).CCLS.	US-PGPUB	OR	OFF	2006/05/08 13:09
S45	0	protect\$3 same control same time same first same second same overcurrent same timer same predetermined same threshold same detect\$3 same (on off)	US-PGPUB	OR	ON	2006/05/15 10:17
S46	0	protect\$3 same control same time same first same second same overcurrent same timer same predetermined same threshold same detect\$3 same (on off)	US-PGPUB; USPAT	OR	ON	2006/05/08 13:21

## EAST Search History

S48	0	(protect\$3 AND control AND time AND first AND second AND overcurrent AND timer AND predetermined AND threshold AND detect\$3 AND (on off)).CLM.	US-PGPUB	OR	ON	2006/05/15 11:30
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